

<< Declaration of BEng major << Declaration of BBA major

School:		School of Engineering and School of Business Management			Student's Pathway										Remarks	
Program:		Dual Degree Program (BEng in Decision Analytics and BBA in Management)			Year 1 Fall	Year 1 Spring	Year 2 Fall	Year 2 Spring	Year 3 Fall	Year 3 Spring	Year 4 Fall	Year 4 Spring	Year 5 Fall	Year 5 Spring		Sub-total
Course Offering Dept (course code prefix)	Course Code	Course Title / Courses List	Credits													
BEng in Decision Analytics																
Major Requirements																
Engineering Fundamental Courses																
COMP	1021	Note: COMP1021 OR COMP1022P OR COMP2011 OR COMP2012H	3-5													
COMP	1022P	Introduction to Computer Science	3		3											
COMP	2011	Introduction to Computing with Java	3													
COMP	2012H	Programming with C++	4													
		Note: CHEM1020 OR PHYS1112 OR PHYS1312														
CHEM	1020	General Chemistry I	3	3												
PHYS	1112	General Physics I with Calculus	3													
PHYS	1312	Honors General Physics I	3													
LANG	2030	Technical Communication I	3	-	-	-	-	-	-	-	-	-	-	-	-	0
		Note: (MATH 1012 OR MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024) OR (MATH 1020)	4-7													
MATH	1012	Calculus IA	4													
MATH	1013	Calculus IB	3	3	3											
MATH	1014	Calculus II	3													
MATH	1020	Accelerated Calculus	4													
MATH	1023	Honors Calculus I	3													
MATH	1024	Honors Calculus II	3													
MATH	2011	Introduction to Multivariable Calculus	3				3									
MATH	2111	Matrix Algebra and Applications	3			3										
SENG		Engineering Introduction course (If the students take an introduction course included in their major, this course can be counted towards their major requirement.)	3-4		(3)											
Required credits for Engineering Fundamental Courses			22-27													18
Major Required Courses and Electives																
IEDA	1010	Academic and Professional Development I	0			0	0									0
IEDA	1020	Academic and Professional Development II	0					0	0							0
IEDA	1901	Industrial Training and Experience	0											0		0
IEDA	2520	Probability for Engineers	3			3										3
IEDA	2540	Statistics for Engineers	3				3									3
IEDA	3010	Prescriptive Analytics	3					3								3
IEDA	3230	Engineering Economics and Accounting	3				3									3
IEDA	3250	Stochastic Models	3					3								3
IEDA	3300	Industrial Data Systems	3			3										3
IEDA	3560	Predictive Analytics	3						3							3
IEDA	4901	Note: IEDA4901 OR IEDA4920	6									3	3			6
IEDA	4920	Final Year Thesis	6													6
ENGG	2010	Decision Analytics Final Year Project	0			0	0	0	0							0
		Note: ECON2103 OR ECON2113														
ECON	2103	Principles of Microeconomics	3			3										3
ECON	2113	Microeconomics	3													3
LANG	4032	Technical Communication II for IEDA and ISDN	3							3						3
IEDA		Area Electives (5 courses from the specified elective list, of which all 5 courses should be taken from the same area)	15							3	6	3	3			15
Required credits for Major Required Courses and Electives			48													48
BBA in Management																
School Requirements																
ACCT	2010	Principles of Accounting I	3	3												3
ACCT	2200	Principles of Accounting II	3				3									3
ECON	2103	Note: ECON 2103 OR ECON 2113	3			(3)										0
ECON	2113	Principles of Microeconomics	3													3
ECON	2123	Note: ECON 2123 OR ECON 3123	3							3						3
ECON	3123	Macroeconomics	3													3
FINA	2303	Macroeconomic Theory I	3				3									3
FINA	2303	Financial Management	3													3
ISOM	2010	Introduction to Information Systems	3	-	-	-	-	-	-	-	-	-	-	-	-	0
ISOM	2020	Coding for Business	1	-	-	-	-	-	-	-	-	-	-	-	-	0
ISOM	2500	Business Statistics	3	-	-	-	-	-	-	-	-	-	-	-	-	0
ISOM	2600	Introduction to Business Analytics	1												1	1
ISOM	2700	Operations Management	3								3					3
MARK	2120	Marketing Management	3	3												3
MGMT	2010	Business Ethics and the Individual	2					2								2
MGMT	2110	Organizational Behavior	3			3										3
MGMT	2130	Business Ethics and Social Responsibility	2							2						2
LANG	2061	Note: LANG 2061 OR 2062 OR 3060	3										3			3
LANG	2062	Professional Writing for the Workplace	3													3
LANG	3060	Professional Speaking for the Workplace	3													3
		Advanced Academic Writing	3													3
MATH	1003	Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023	3-4													
MATH	1012	Calculus and Linear Algebra	3													
MATH	1013	Calculus IA	4													
MATH	1013	Calculus IB	3													
MATH	1020	Accelerated Calculus	4													
MATH	1023	Honors Calculus I	3													
Required credits for School Requirements			43-44													29
Major Requirements																
Major Required Courses and Electives																
MGMT	3110	Note: MGMT 3110 OR MGMT 3120 (For students in the Consulting Option, they will use MGMT 3110 to fulfill the Option Requirements and should take MGMT 3120 to fulfill this requirement.)	4						4							4
MGMT	3120	Human Resources Management	4													4
		Managerial Leadership	4													4
MGMT	3130	Note: MGMT 3130 OR MGMT 3140 (Students in the Consulting Option must take MGMT 3140 to fulfill this requirement.)	4							4						4
MGMT	3140	Judgment and Decision Making in Organizations	4													4
MGMT	4210	Note: MGMT 4210 OR MGMT 4220 (Students in the Consulting Option or in the Corporate Social Responsibility and Sustainability Option must take MGMT 4210 to fulfill this requirement.)	3-4								3					3
MGMT	4210	Corporate Strategy	3													3
MGMT	4220	Entrepreneurship and Innovation	4													4
MGMT		MGMT 3000-level or above Electives (Any 3 courses of the subject and level as specified. Courses taken as Option Required Courses may not be counted towards the elective requirement.)	9								3	3	3			9
Required credits for Major Required Courses and Electives			20-21													20
Additional Requirements																
Requirements for Dual Degree Program																
Required Courses																
TEMG	1010	T&M Professional Activities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TEMG	3950	T&M Case Analysis and Product Innovation	3		3											3
TEMG	4950	T&M Corporate Consulting Project	3-5					4								4
Required credits for Additional Requirements			7													7
University CORE																
CORE	C3 - C9	U CORE - Others	21			3					3	6	3	6		21
CORE	C1 & C2	U CORE - English Language	6	3	3											6
HMAW	1905	Behavioral Foundations of University Education: Habits, Mindsets, and Wellness	3	1	2											3
Sub-total for University CORE			30													30
															Term load (excl. free credits)	
															16	17
															15	15
															16	16
															14	15
															15	13
152##																

Notes:
() indicates the reuse of the same course to fulfill more than one requirement.
--- denotes the course/requirement is either waived or substituted
To graduate, students should complete all requirements specified for DDP.

**Remarks on course(s):